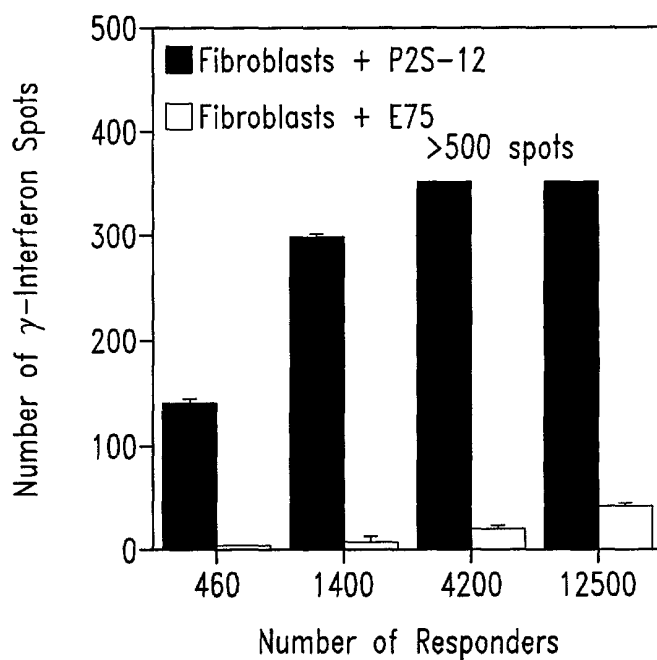
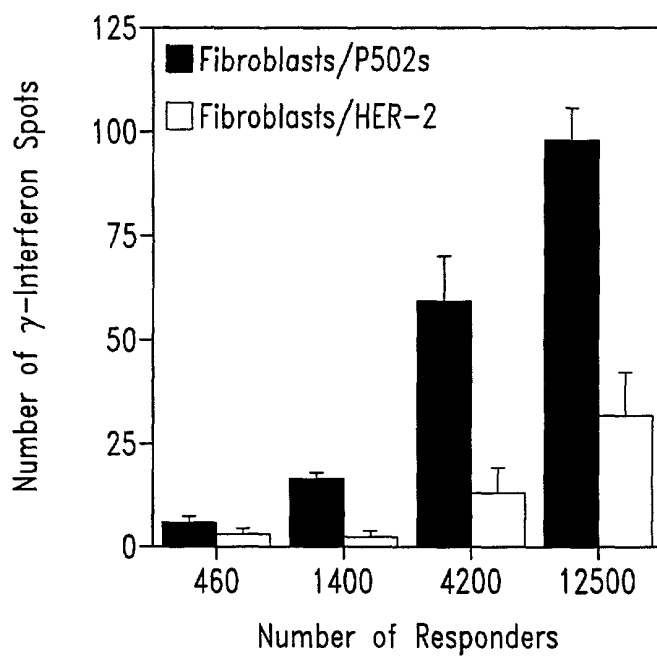


*Fig. 1*



*Fig. 2A*



*Fig. 2B*

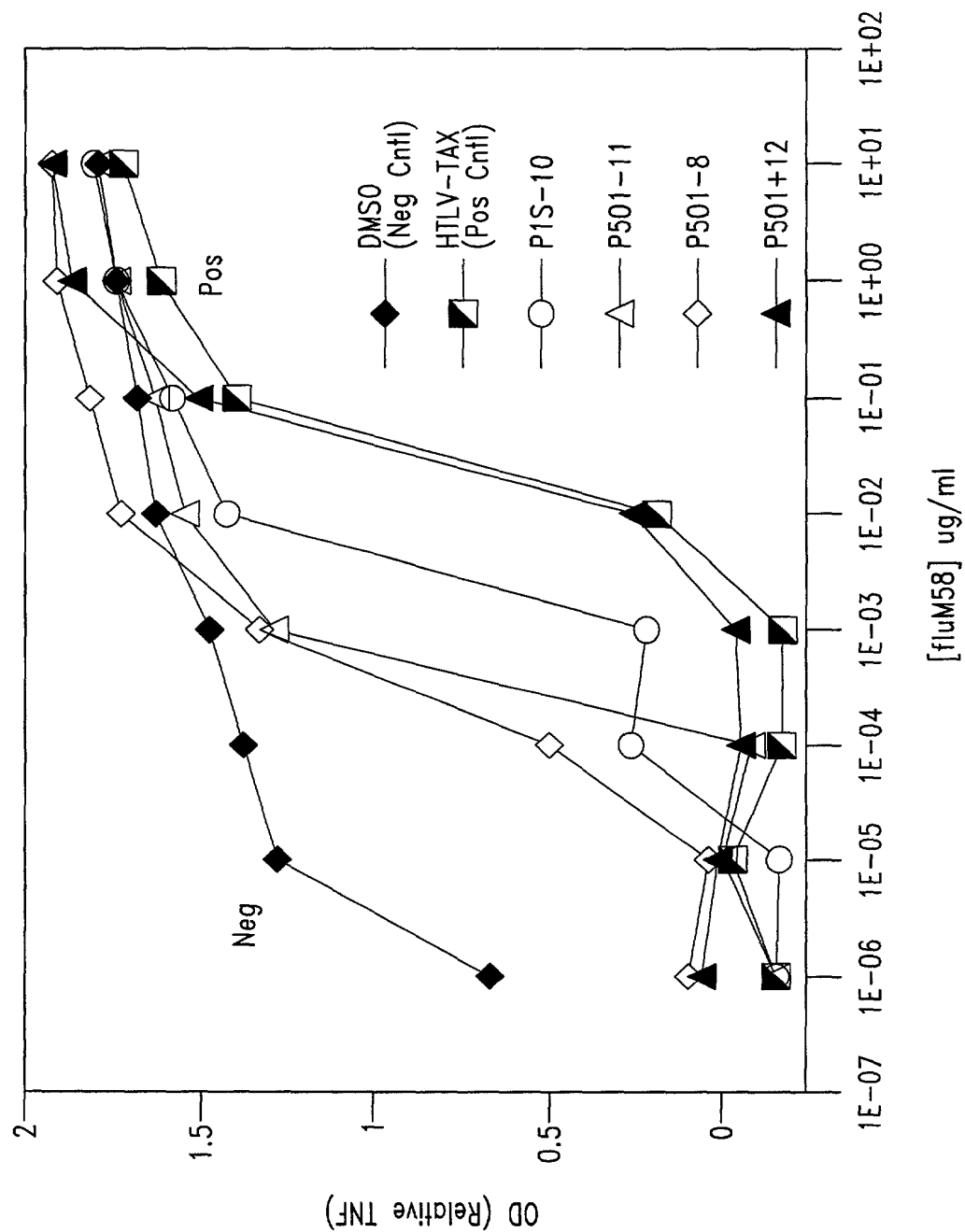
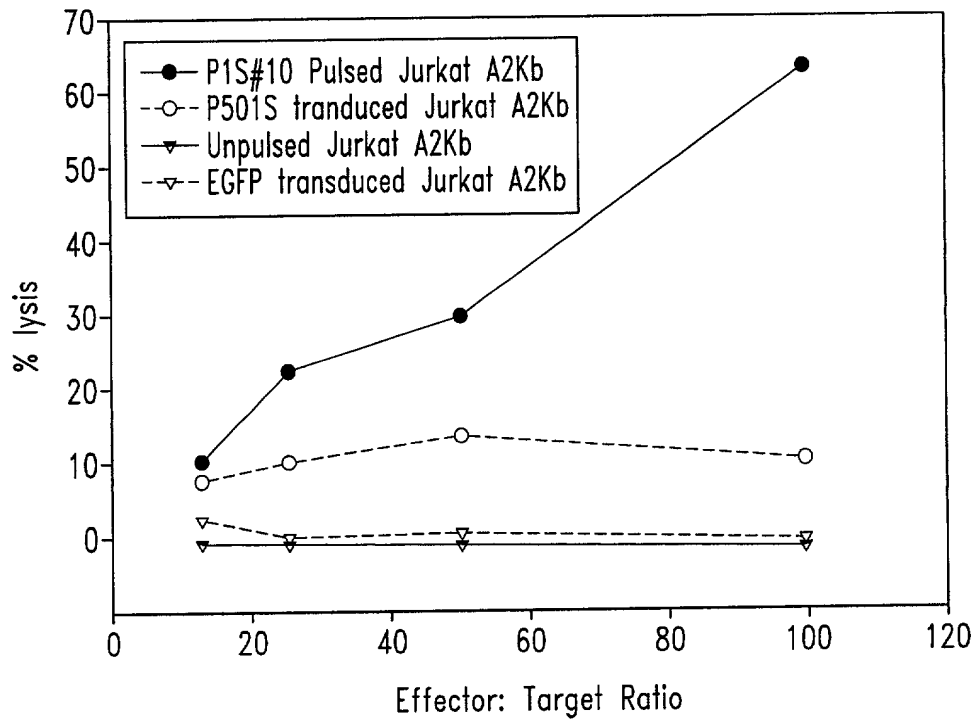
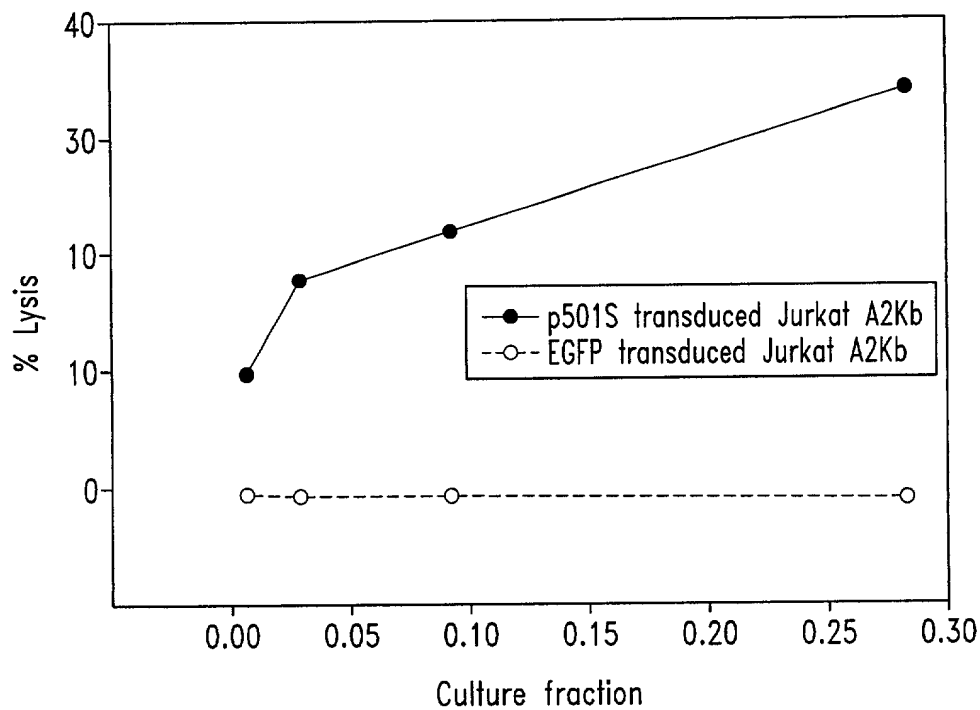


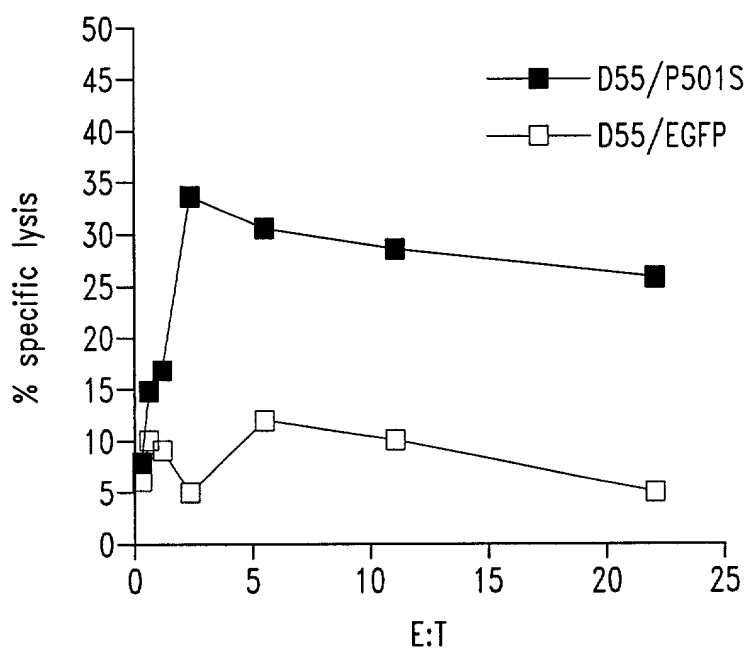
Fig. 3



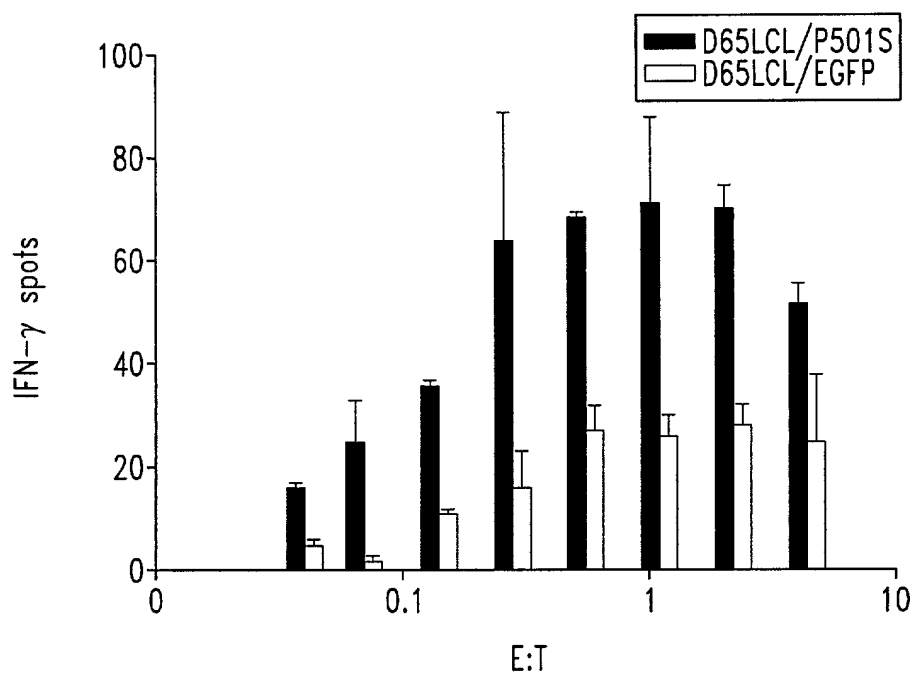
*Fig. 4*



*Fig. 5*

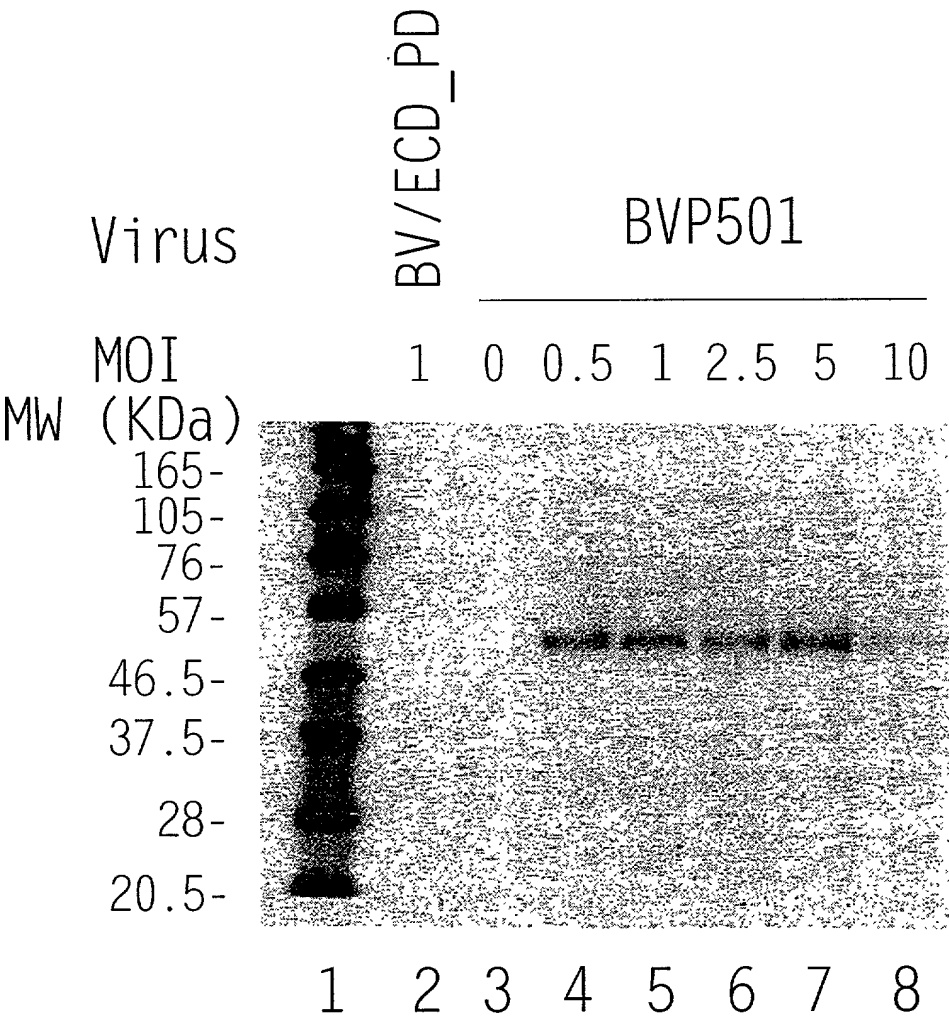


*Fig. 6A*



*Fig. 6B*

Expression of P501S  
by the Baculovirus Expression System



0.6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD\_PD (lane2), without virus (lane3), or with recombinant baculovirus for P501 at different MOIs (lane 4-8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

Fig. 7

FIGURE 8. Mapping of the epitope recognized by 10E3-G4-D3

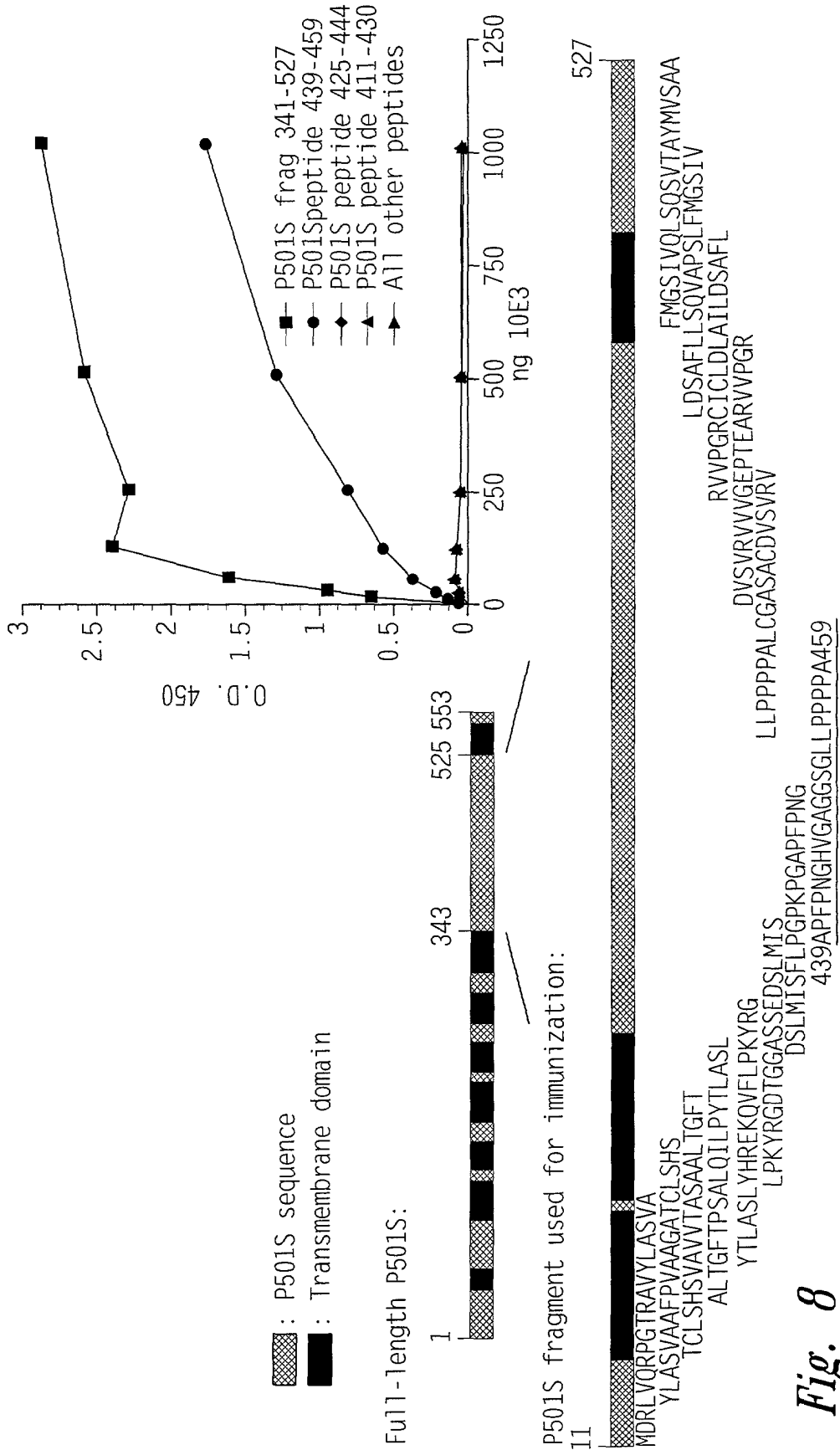


Fig. 8

Schematic of P501S with predicted  
 transmembrane, cytoplasmic, and extracellular regions

*MVQRLWVSRLLRHRK* AQLLLVNLLTFGLEVCLAAGIT **YVPPLLLLEVGVEEKFM**  
TMVLGIGPVLGLVCYPLLGSAS

*DHWRGRYGRRRP* FIWALSLGILLSLFLIPRAGWL **AGLLCPDPRPLE** LALLILGVGLLDFCGQVCFTPL

*EALLSDLFRDPDHCRQ* AYSVYAFMISLGGCLGYLLPAI **DWDTSALAPYLGTEEE**

CLFGLLTLIFLTCVAATLLV *AEEAALGPTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRL*

*HQLCCRMPTLRR* LFVAELCSWMALMTFTLFYTDF **VGEGLYQGVPRAPGTEARRHYDEGVR**

MGSLGLFLQCAISLVFSLVM *DRLVQRFGTRAVYLAS* VAAFPVAAGATCLSHSVAVVTA **SAA**

LTGFTFSALQILPYTLASLY *HREKQVFLPKYRGDTGGASSEDLSMTSFLPGPKPGAPFPNGHVAGGSGSL*

*LPPPPALCGASACDVSVRVVVGEPTARVVPGRG* ICLDLAILDSAFLLSQVAPSLF **MGSIVQLSQS**

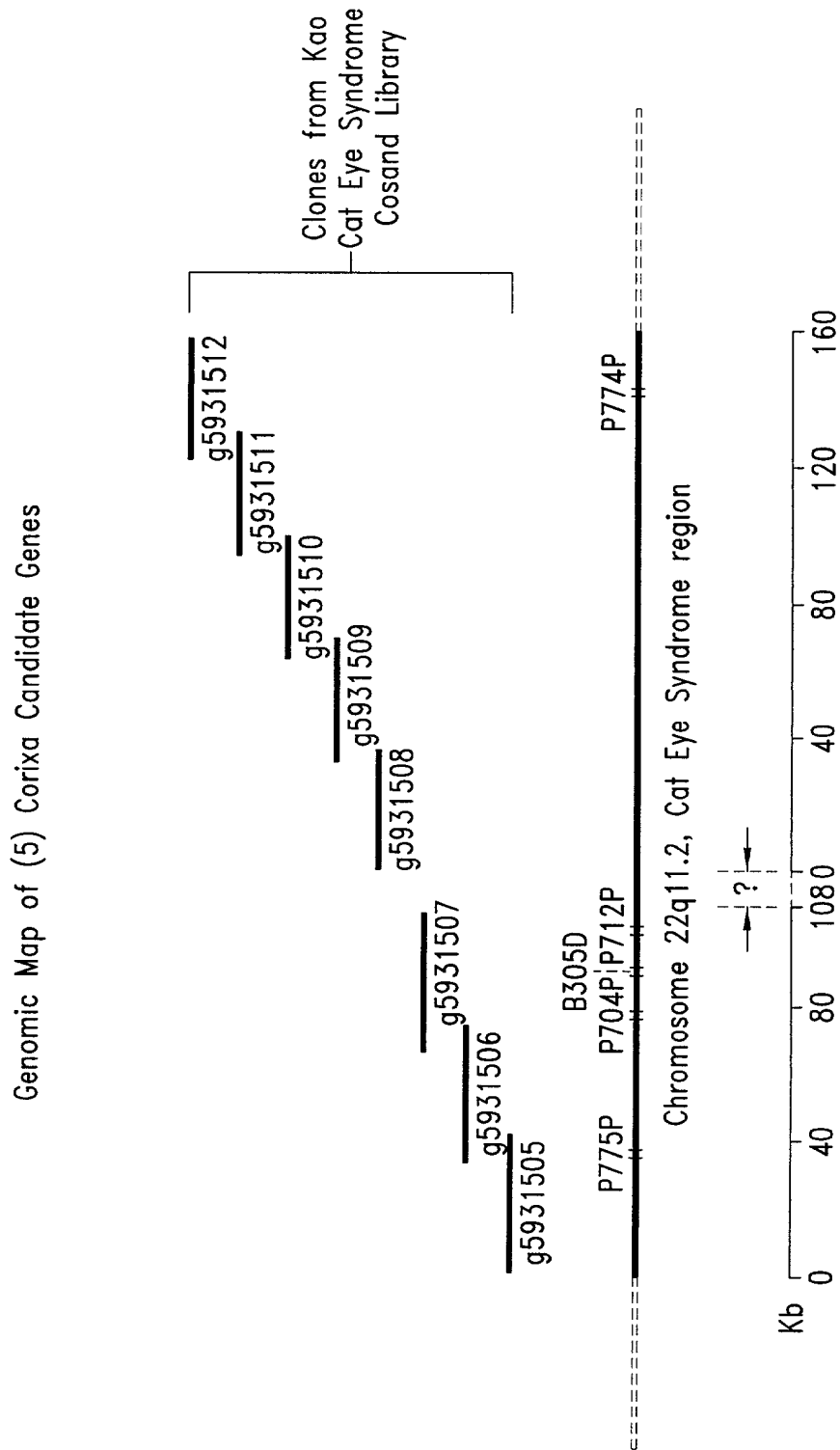
VTAYMVSAAGLGLVAIYFAT *QVVFDKSDLAKYSA*

Underlined sequence: Predicted transmembrane domain; **Bold sequence**:  
 Predicted extracellular domain; *Italic sequence*: Predicted intracellular  
 domain. Sequence in bold/underlined: used generate polyclonal rabbit  
 serum

Localization of domains predicted using HMMTOP (G.E. Tusnady and I. Simon  
 (1998) Principles Governing Amino Acid Composition of Integral Membrane  
 Proteins: Applications to topology Prediction. J. Mol Biol. 283, 489-506.

*Fig. 9*





*Fig. 10*

FIG. 11

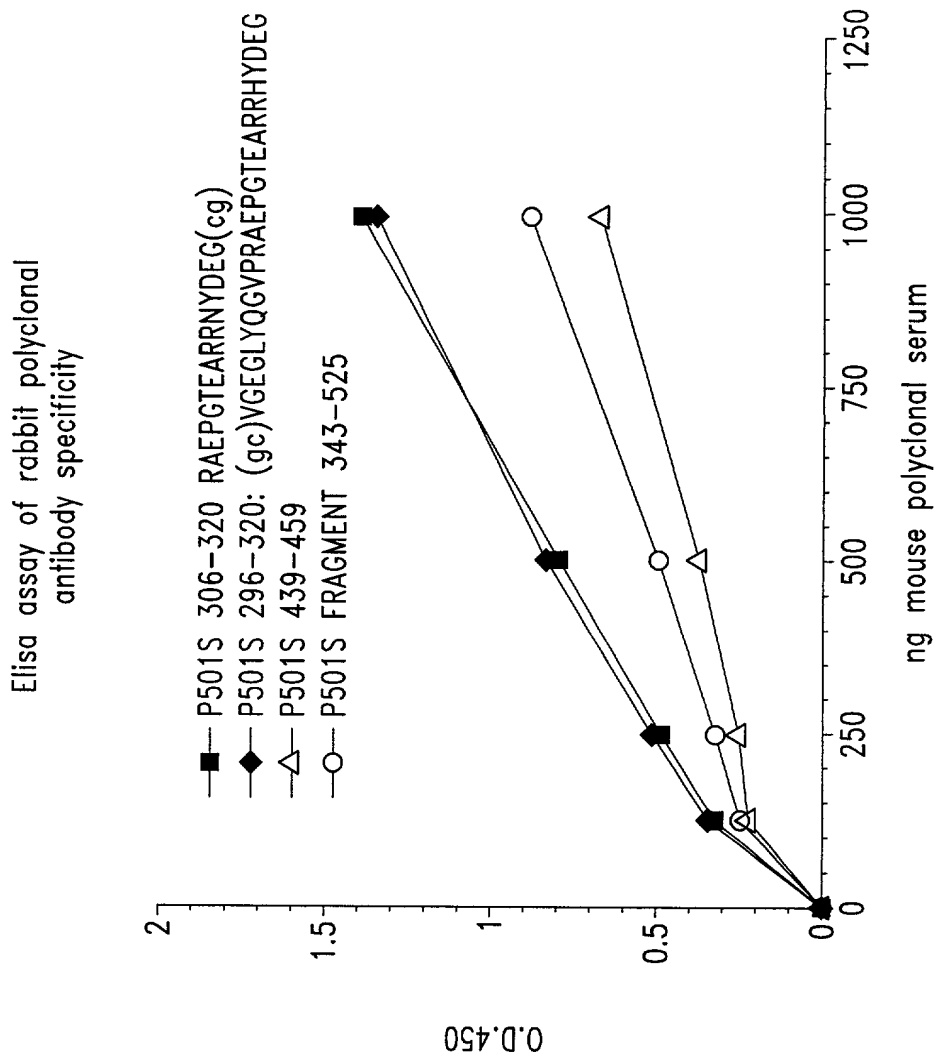


Fig. 11